

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039613.D
 Acq On : 26 Feb 2019 23:18
 Operator : JU/SJ
 Sample : K1594-28
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-3(8-9)

Quant Time: Feb 27 00:02:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	51732	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	215627	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	151060	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	394008	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	413023	20.00	ng	-0.03
87) Perylene-d12	25.19	264	422478	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	243118	80.43	ng	0.00
7) Phenol-d6	7.31	99	351654	79.04	ng	0.00
23) Nitrobenzene-d5	9.34	82	203209	58.87	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	146007	89.76	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	487706	46.32	ng	-0.02
79) Terphenyl-d14	20.12	244	872169	44.70	ng	-0.03

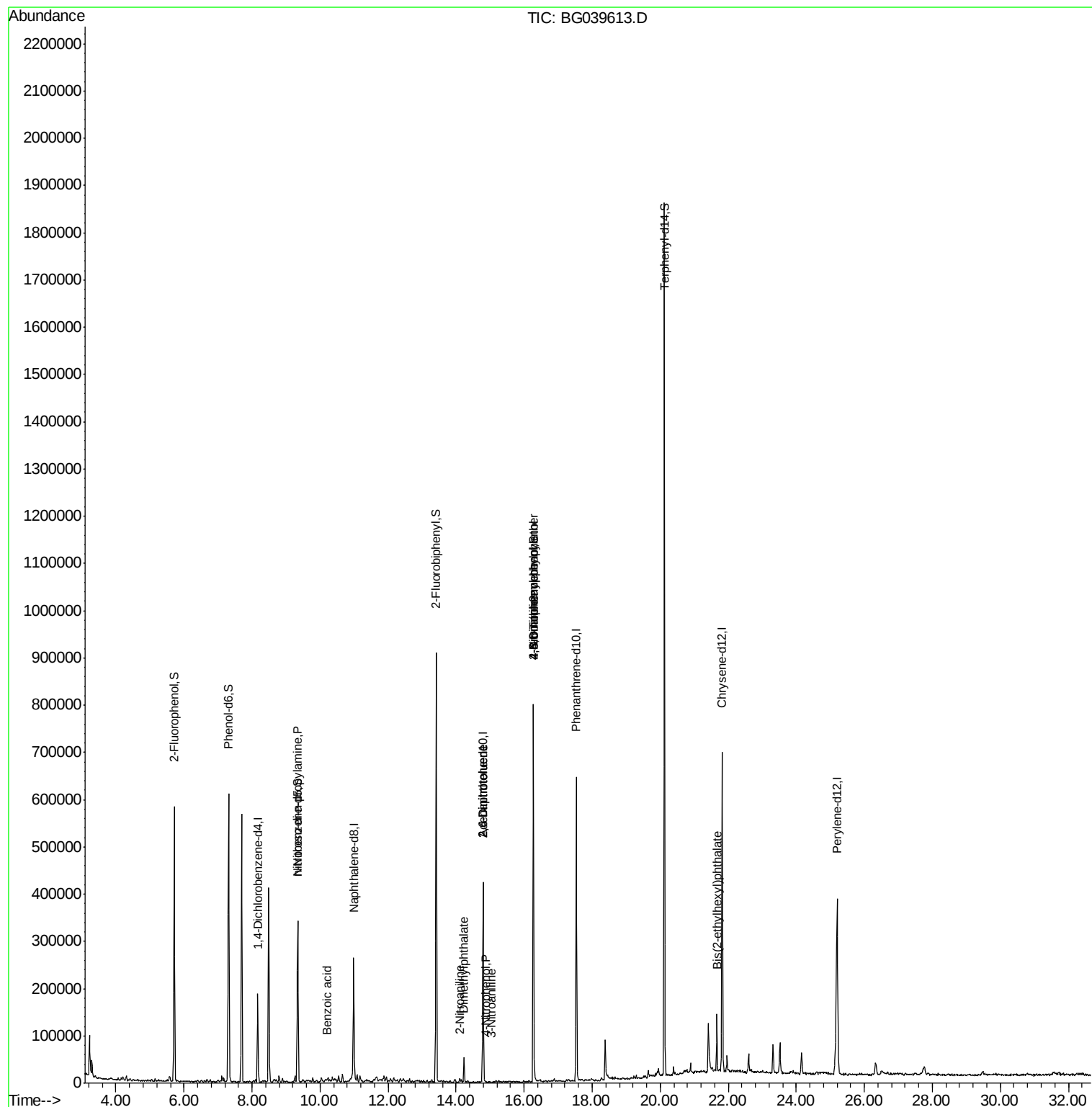
Target Compounds				Qvalue		
9) Benzaldehyde	7.31	77	732	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.34	70	26685	8.450 ng	#	73
32) Benzoic acid	10.19	122	56	9.043 ng	#	1
48) 2-Nitroaniline	14.11	65	58	8.314 ng	#	10
50) Dimethylphthalate	14.23	163	34784	2.851 ng		99
51) 2,6-Dinitrotoluene	14.79	165	20295	14.243 ng	#	24
53) 3-Nitroaniline	15.04	138	53	5.812 ng	#	1
56) 4-Nitrophenol	14.87	139	61	5.819 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	20295	13.641 ng	#	20
62) 4-Nitroaniline	16.27	138	97	4.237 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	357	4.463 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	11512	2.634 ng	#	1
84) Bis(2-ethylhexyl)phthalate	21.67	149	48151	3.112 ng		97

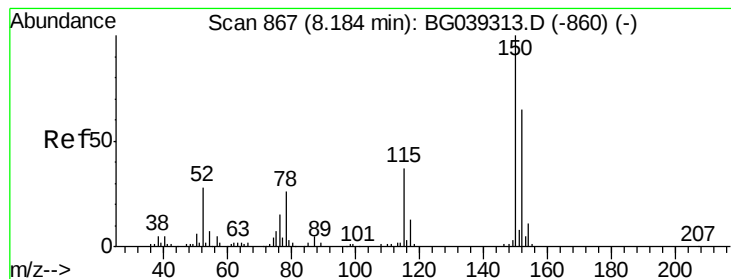
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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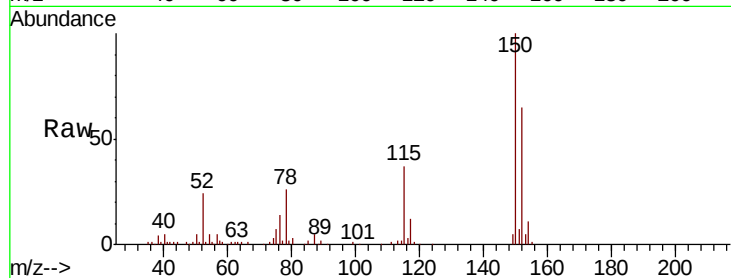


#1

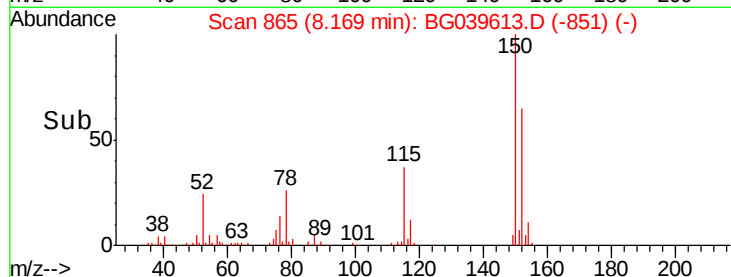
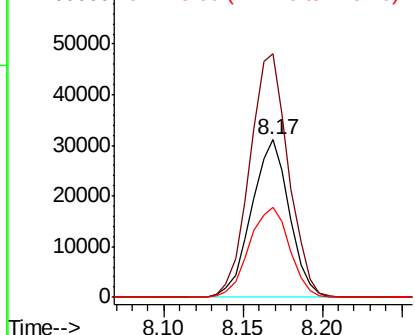
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Instrument :
BNA_G
ClientSampleId :
B-3(8-9)

Tgt Ion:152 Resp: 51732
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 57.0 45.9 68.9



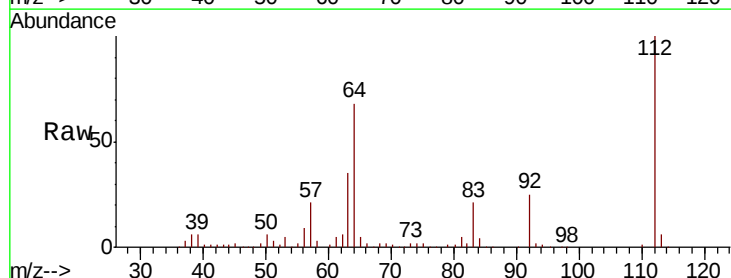
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



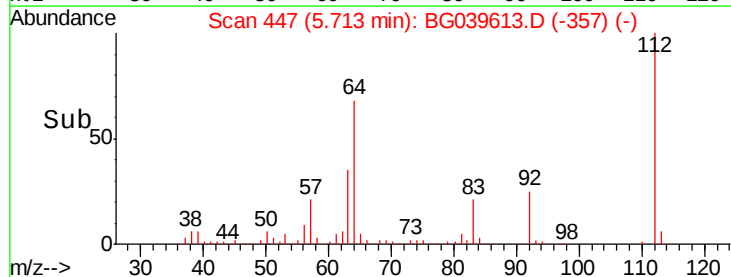
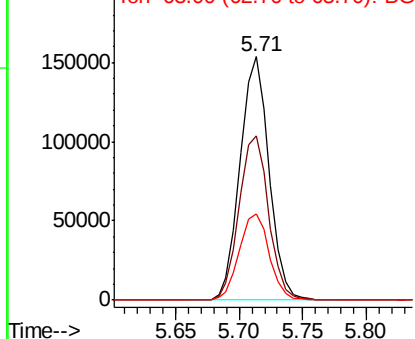
#5

2-Fluorophenol
Concen: 80.434 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion:112 Resp: 243118
Ion Ratio Lower Upper
112 100
64 67.7 57.8 86.8
63 35.2 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 79.038 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Instrument :

BNA_G

ClientSampleId :

B-3(8-9)

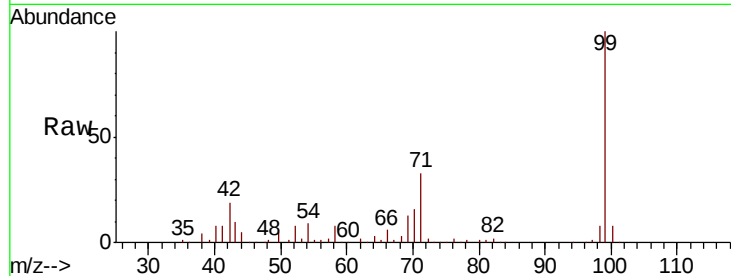
Tgt Ion: 99 Resp: 351654

Ion Ratio Lower Upper

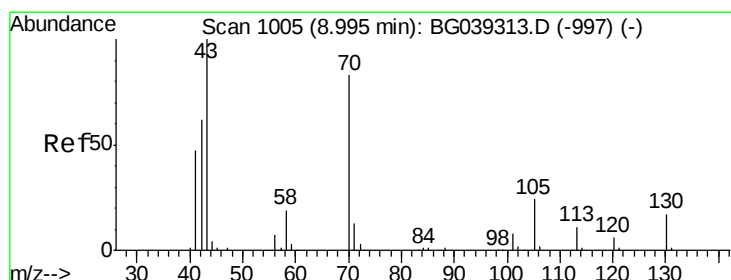
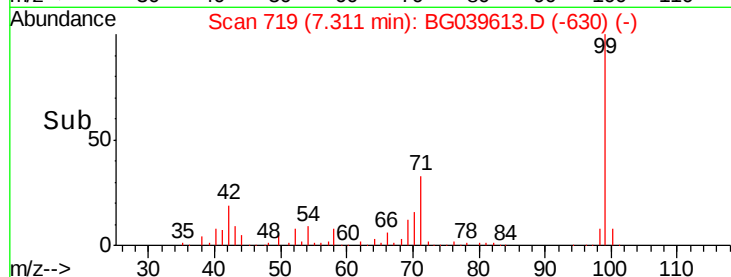
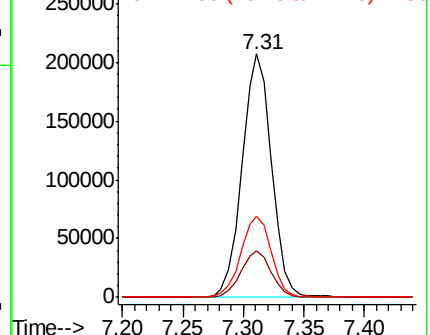
99 100

42 19.2 18.2 27.2

71 33.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 8.450 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Tgt Ion: 70 Resp: 26685

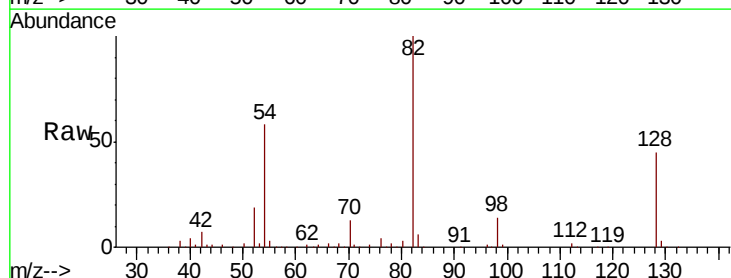
Ion Ratio Lower Upper

70 100

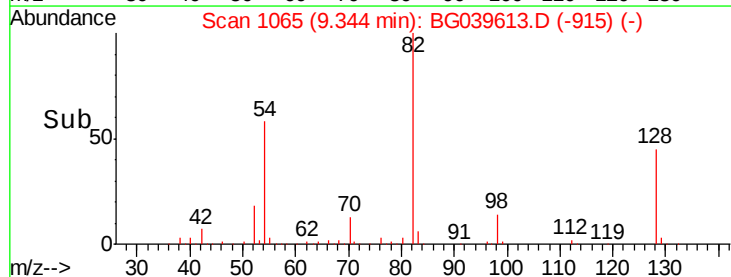
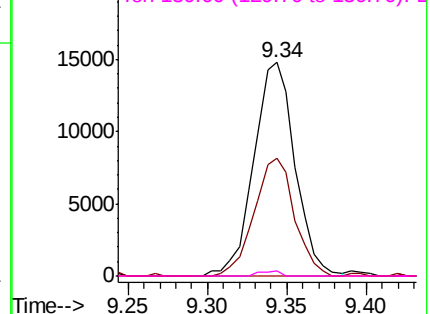
42 55.3 60.4 90.6#

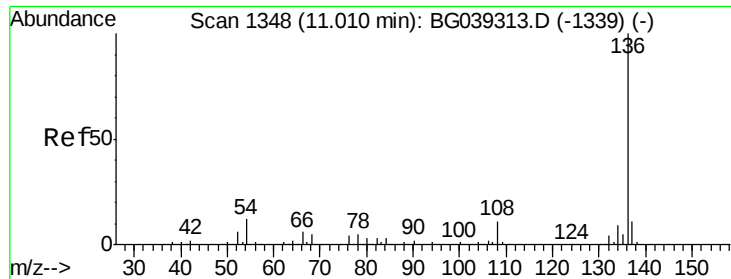
101 0.0 7.5 11.3#

130 2.6 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

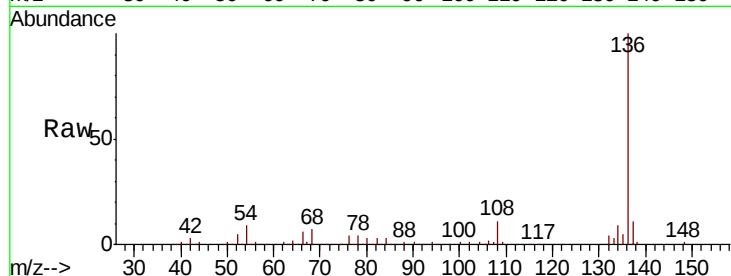




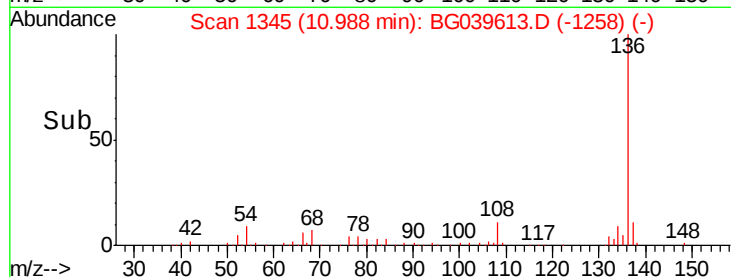
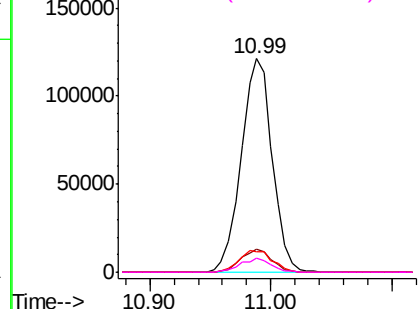
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Instrument :
BNA_G
ClientSampleId :
B-3(8-9)

Tgt Ion:	136	Resp:	215627
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.4	9.4	14.2#
68	6.6	4.2	6.4#

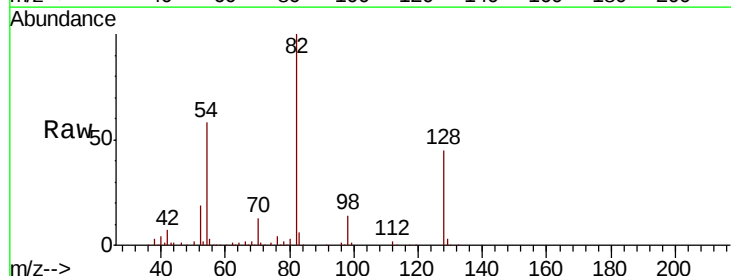


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

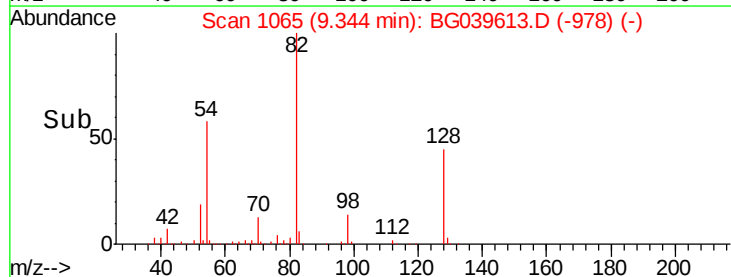
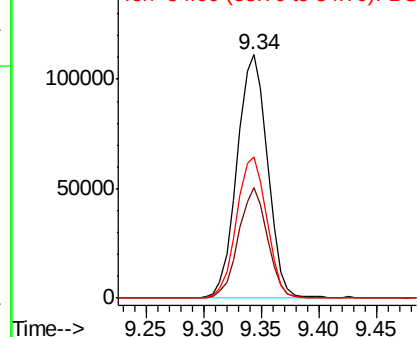


#23
Nitrobenzene-d5
Concen: 58.874 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion:	82	Resp:	203209
Ion	Ratio	Lower	Upper
82	100		
128	45.2	31.3	46.9
54	58.0	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

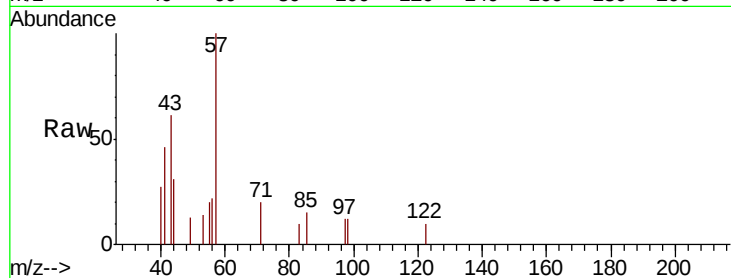




#32
Benzoic acid
Concen: 9.043 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.07 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Instrument :
BNA_G
ClientSampleId :
B-3(8-9)

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

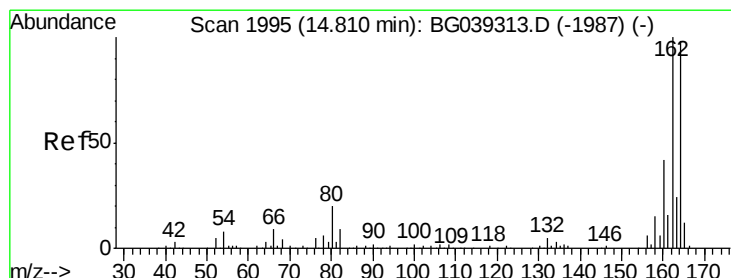
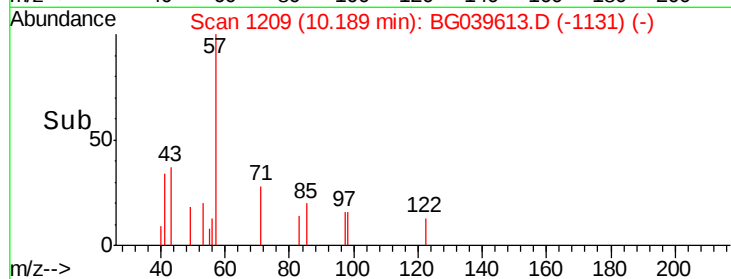
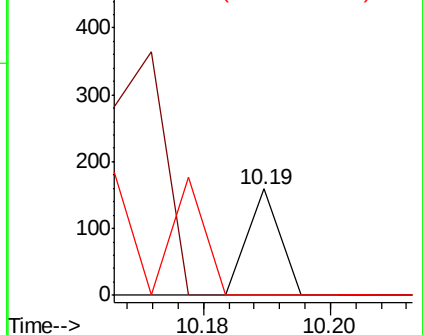


Abundance

Ion 122.00 (121.70 to 122.70): E

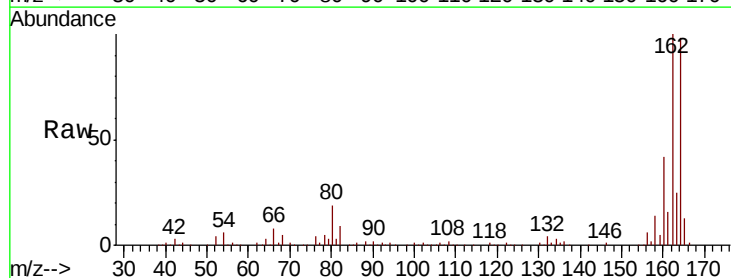
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.6	122.4
160	42.9	34.2	51.2

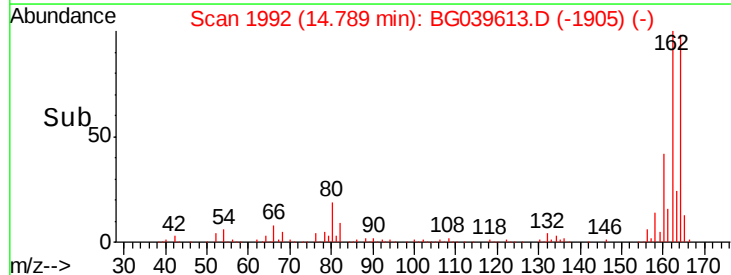
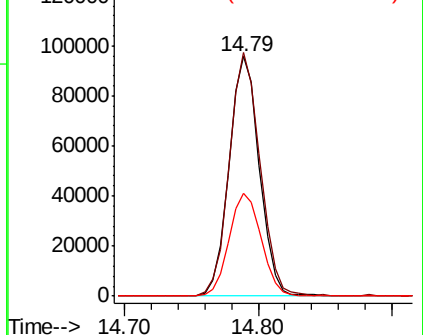


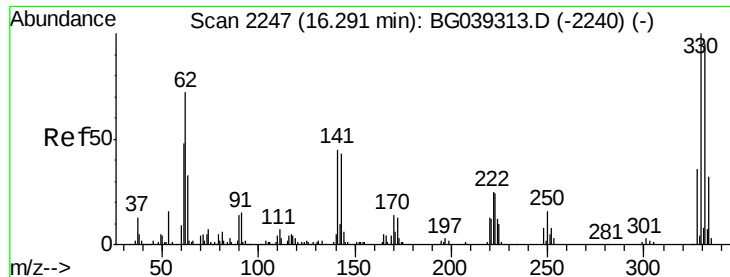
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 89.759 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Instrument :

BNA_G

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B-3(8-9)

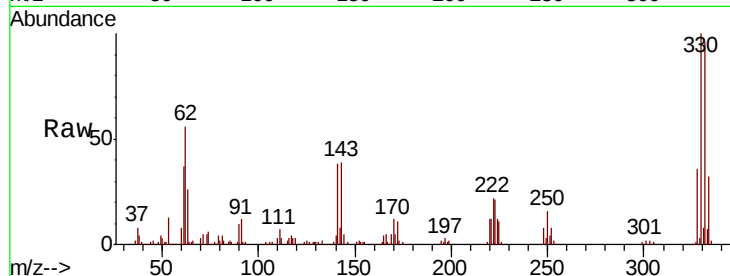
Tgt Ion:330 Resp: 146007

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

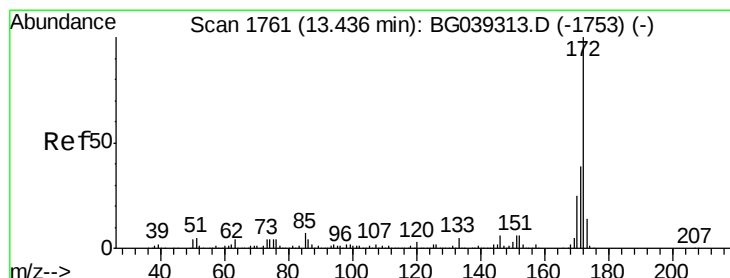
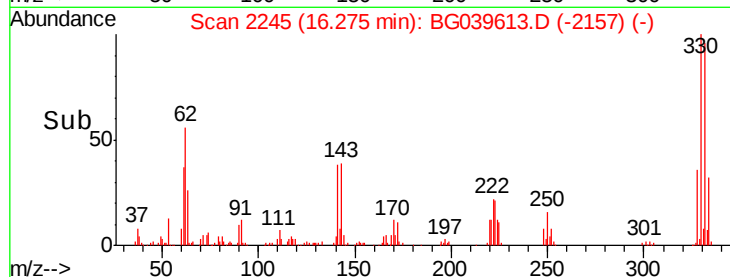
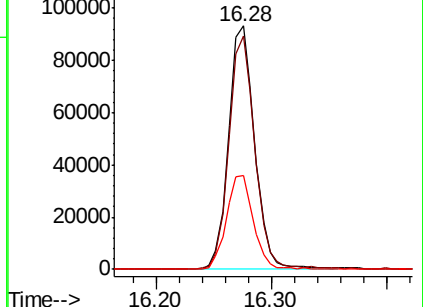
141 39.8 35.6 53.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 46.315 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

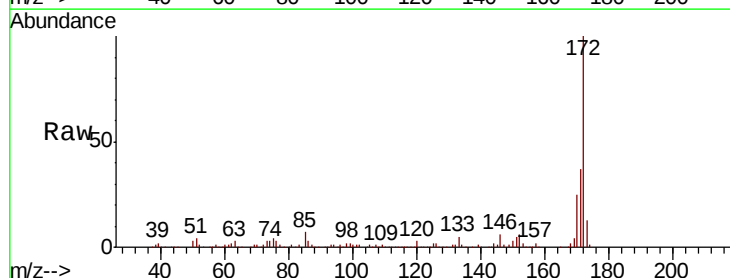
Tgt Ion:172 Resp: 487706

Ion Ratio Lower Upper

172 100

171 37.3 30.8 46.2

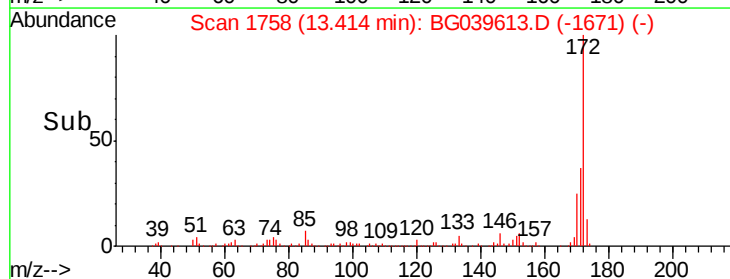
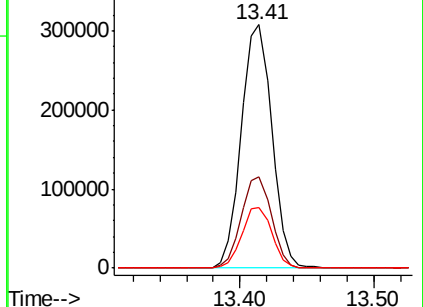
170 24.6 20.2 30.4

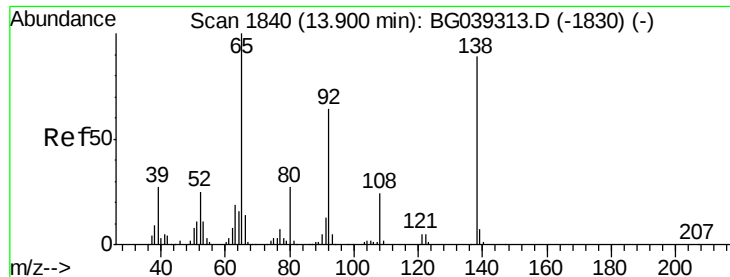


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

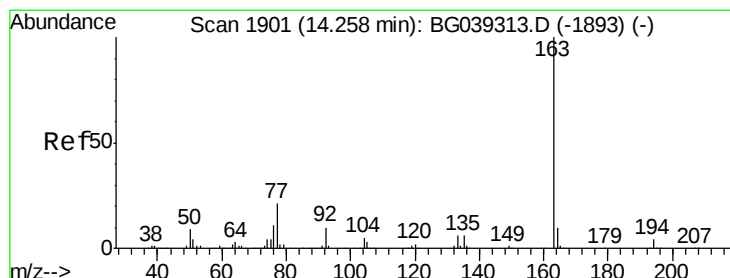
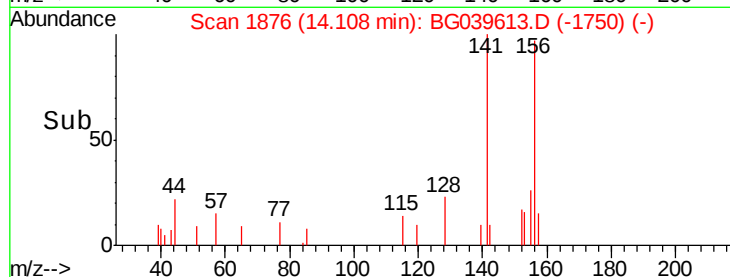
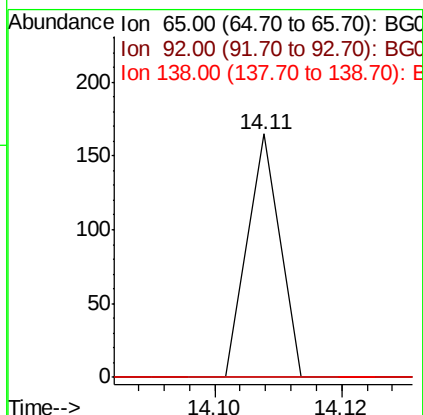
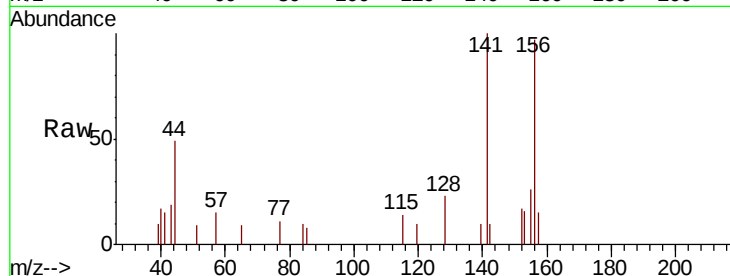




#48
2-Nitroaniline
Concen: 8.314 ng
RT: 14.11 min Scan# 1876
Delta R.T. 0.21 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

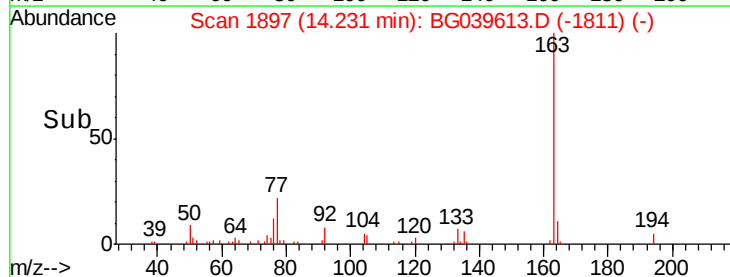
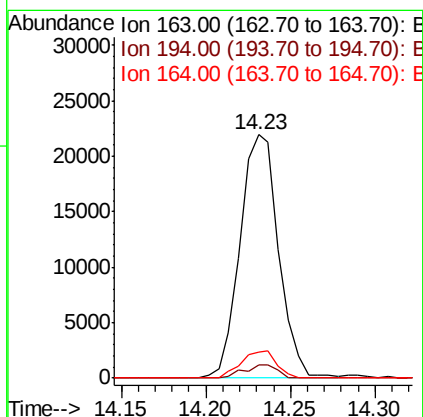
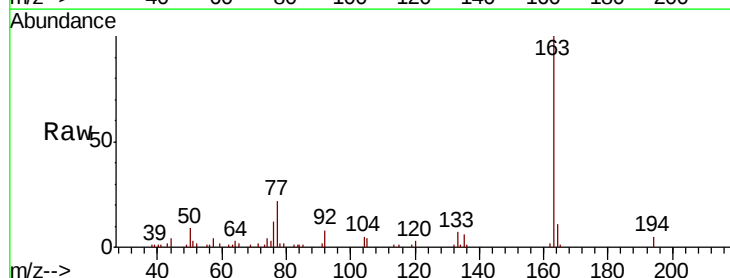
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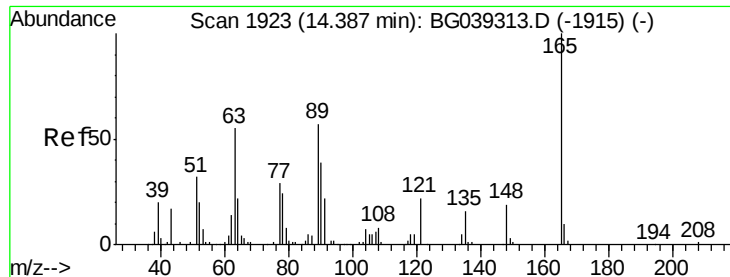
Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 2.851 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion: 163 Resp: 34784
Ion Ratio Lower Upper
163 100
194 5.3 3.6 5.4
164 10.6 8.4 12.6

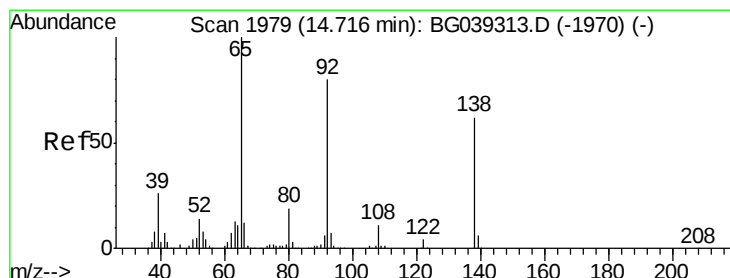
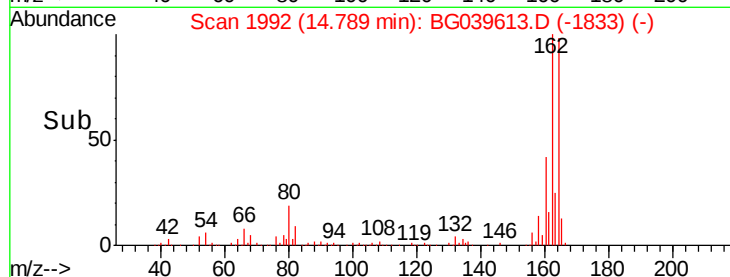
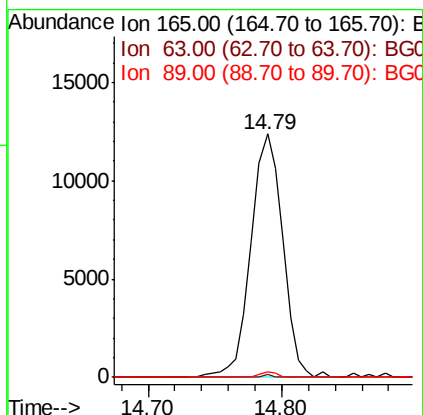
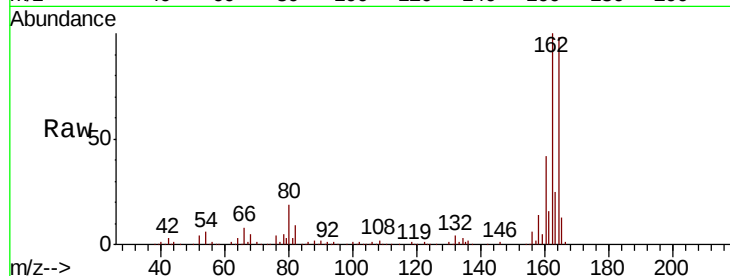




#51
 2,6-Dinitrotoluene
 Concen: 14.243 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039613.D
 Acq: 26 Feb 2019 23:18

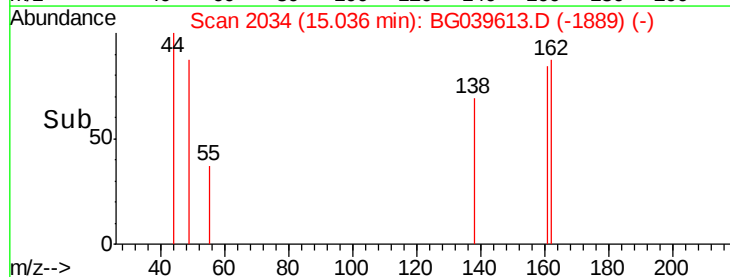
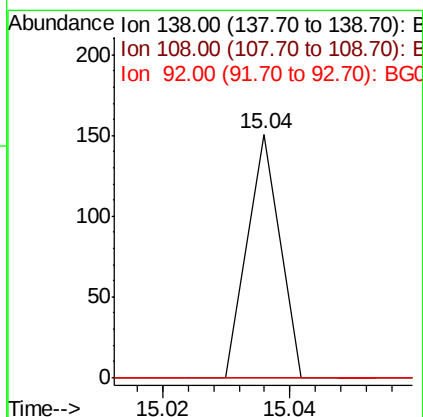
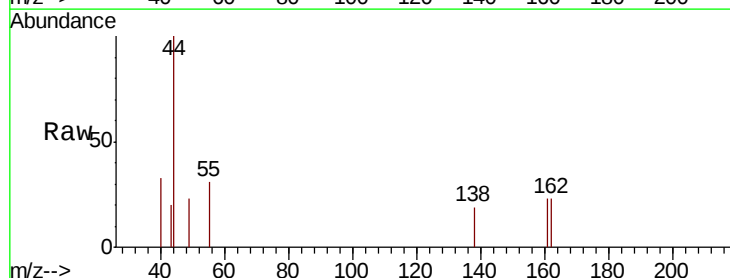
Instrument :
 BNA_G
 ClientSampleId :
 B-3(8-9)

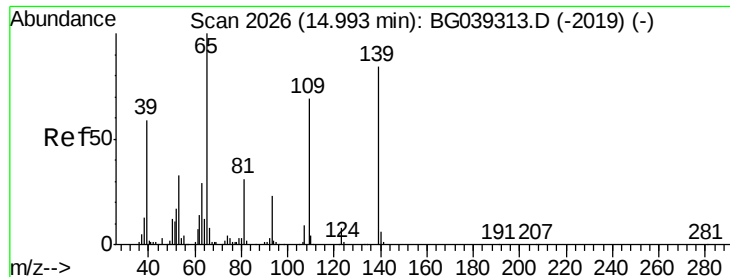
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.0	70.6#
89	2.4	45.8	68.8#



#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 15.04 min Scan# 2034
 Delta R.T. 0.32 min
 Lab File: BG039613.D
 Acq: 26 Feb 2019 23:18

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#





#56

4-Nitrophenol

Concen: 5.819 ng

RT: 14.87 min Scan# 2005

Delta R.T. -0.13 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Instrument :

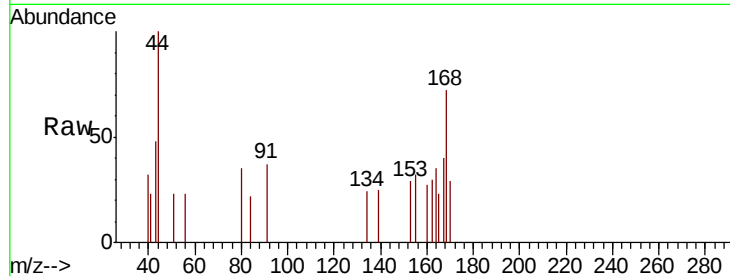
BNA_G

ClientSampleId :

B-3(8-9)

Tgt Ion:139 Resp: 61

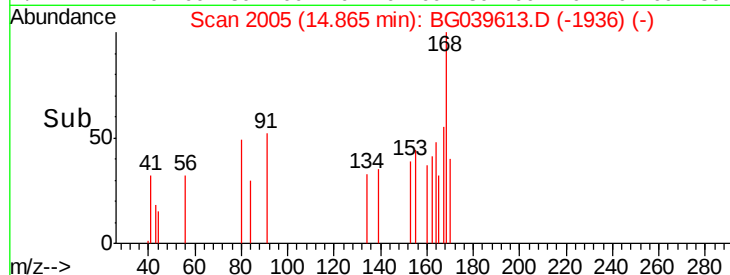
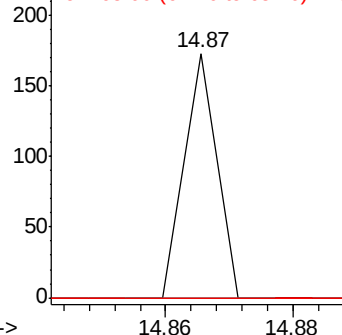
Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



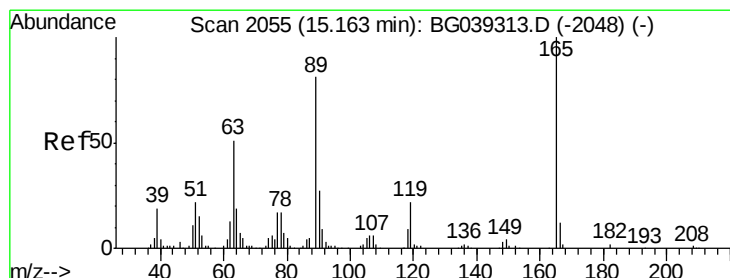
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->



#57

2,4-Dinitrotoluene

Concen: 13.641 ng

RT: 14.79 min Scan# 1992

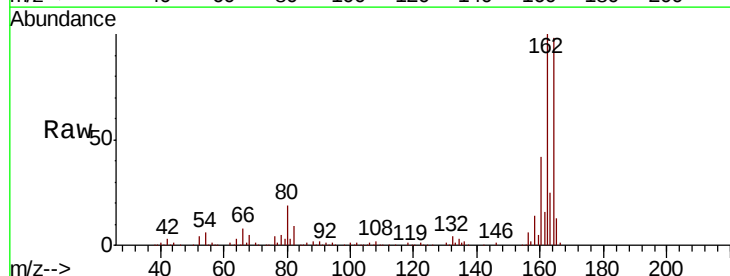
Delta R.T. -0.37 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Tgt Ion:165 Resp: 20295

Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.0	61.6#
89	2.4	64.6	96.8#
182	0.0	2.0	3.0#

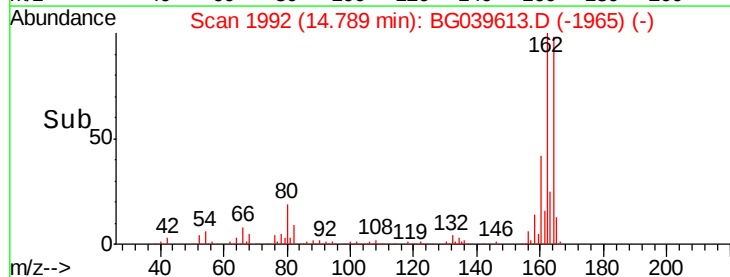
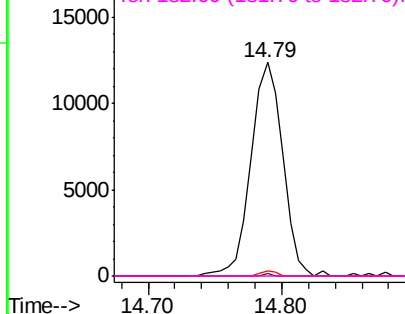


Abundance Ion 165.00 (164.70 to 165.70): E

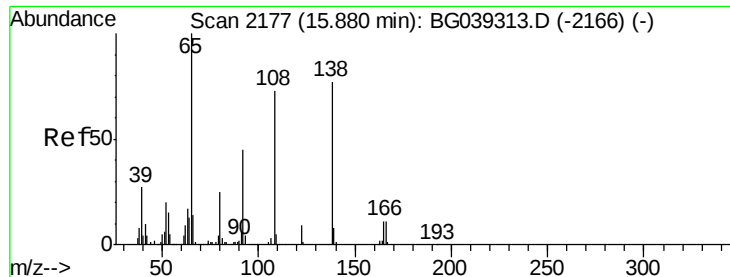
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



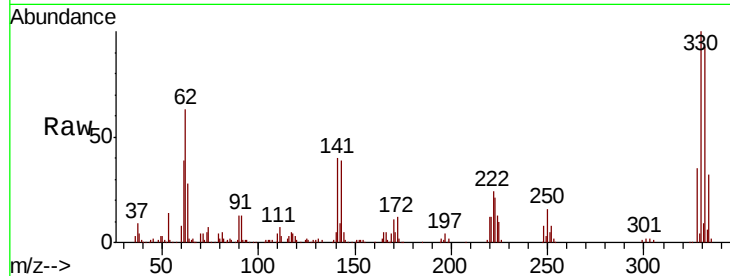
Time-->



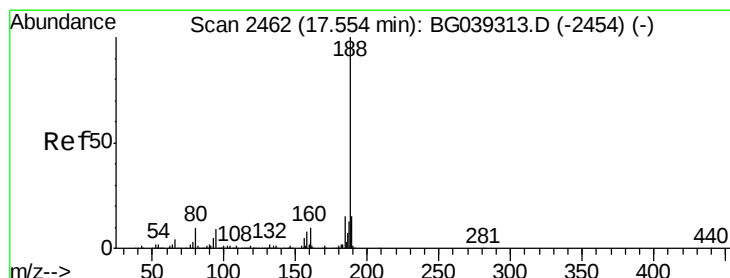
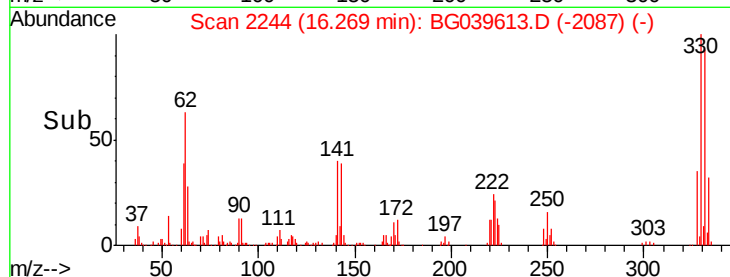
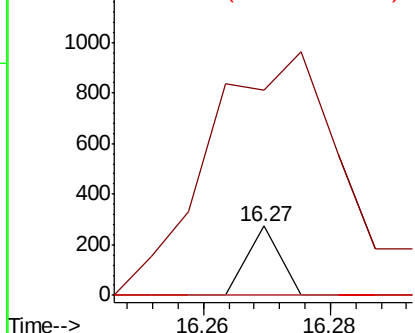
#62
4-Nitroaniline
Concen: 4.237 ng
RT: 16.27 min Scan# 2244
Delta R.T. 0.39 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Instrument :
BNA_G
ClientSampleId :
B-3(8-9)

Tgt Ion:138 Resp: 97
Ion Ratio Lower Upper
138 100
92 297.1 38.7 78.7#
108 0.0 74.6 114.6#

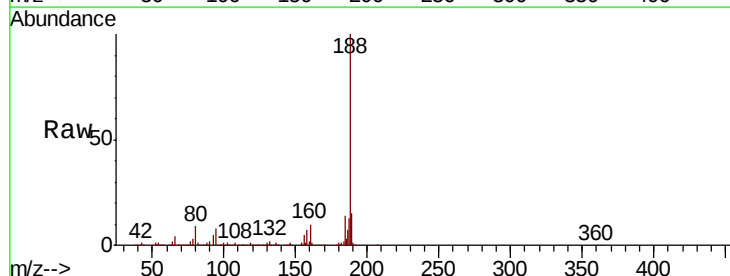


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

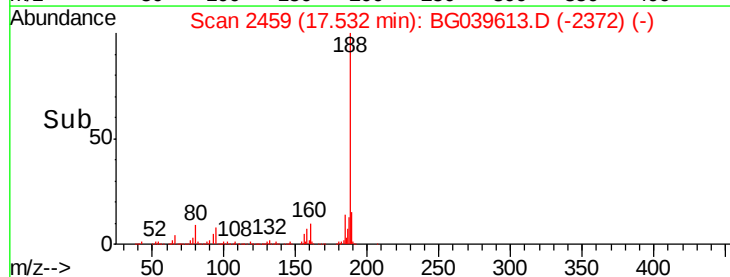
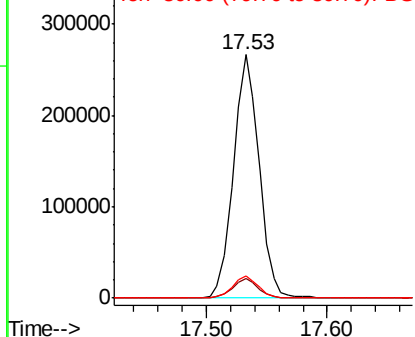


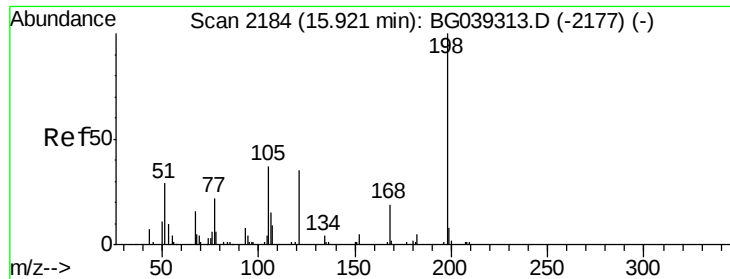
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion:188 Resp: 394008
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.0 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

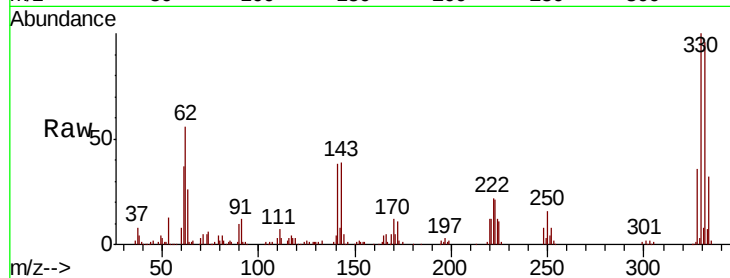




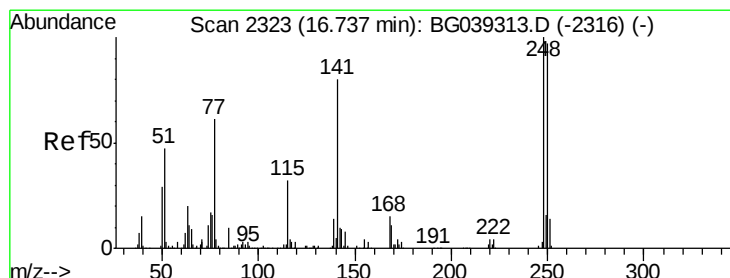
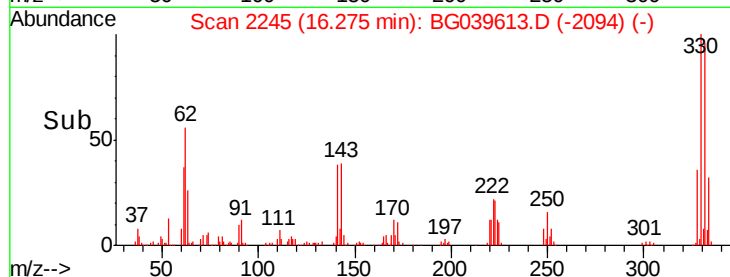
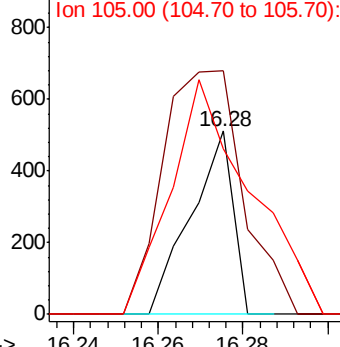
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.463 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039613.D
 Acq: 26 Feb 2019 23:18

Instrument :
 BNA_G
 ClientSampled :
 B-3(8-9)

Tgt Ion:198 Resp: 357
 Ion Ratio Lower Upper
 198 100
 51 132.9 27.4 67.4#
 105 90.6 19.7 59.7#

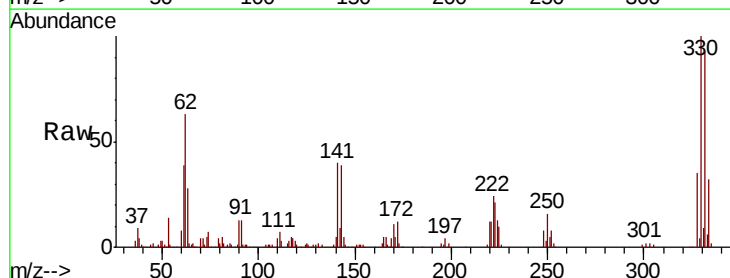


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

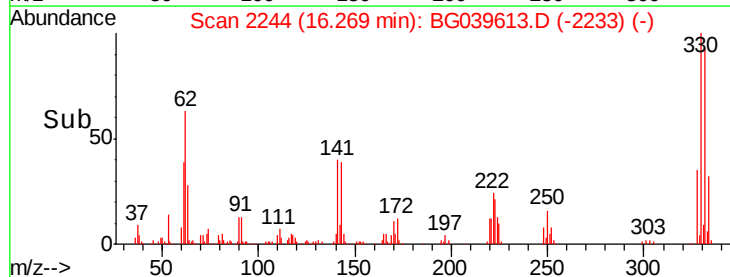
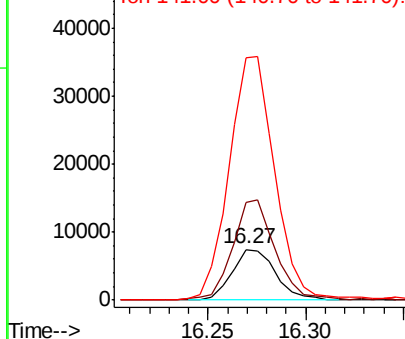


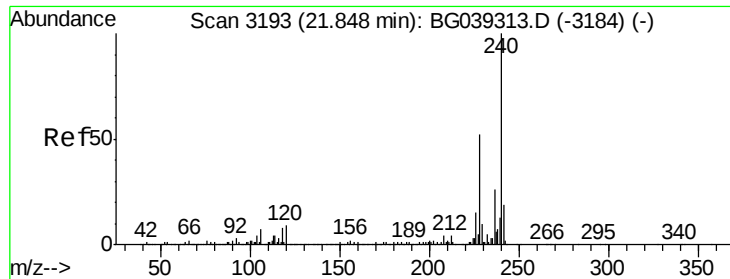
#67
 4-Bromophenyl-phenylether
 Concen: 2.634 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.47 min
 Lab File: BG039613.D
 Acq: 26 Feb 2019 23:18

Tgt Ion:248 Resp: 11512
 Ion Ratio Lower Upper
 248 100
 250 193.3 77.6 116.4#
 141 476.0 63.9 95.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

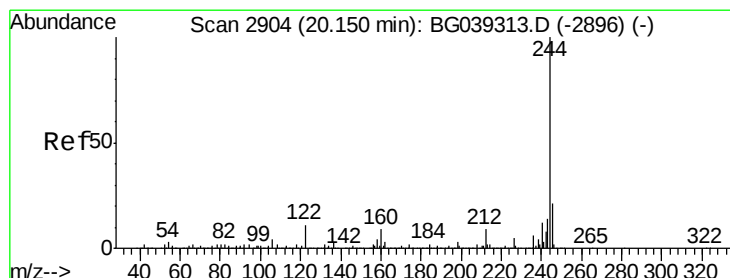
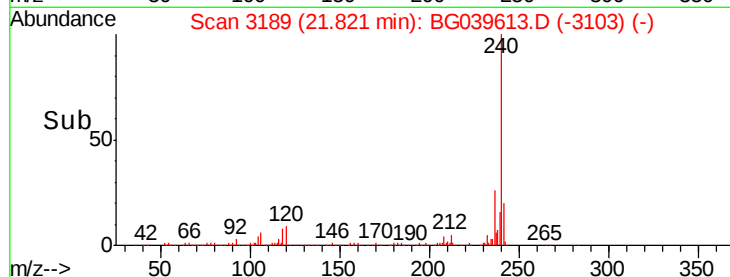
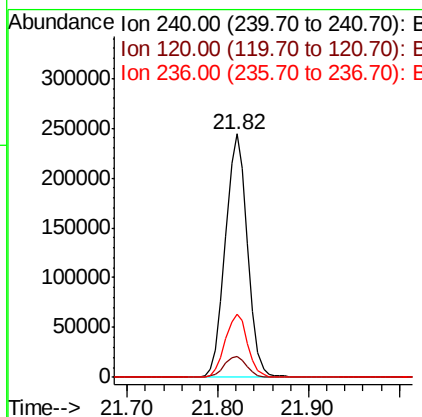
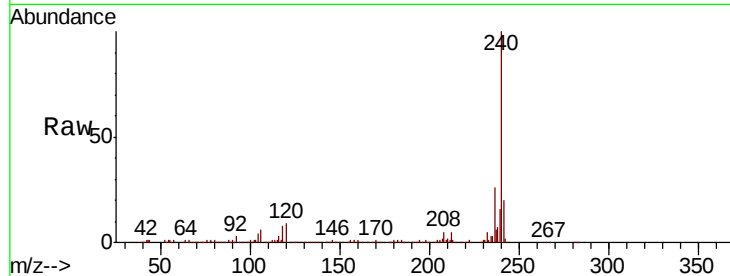




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

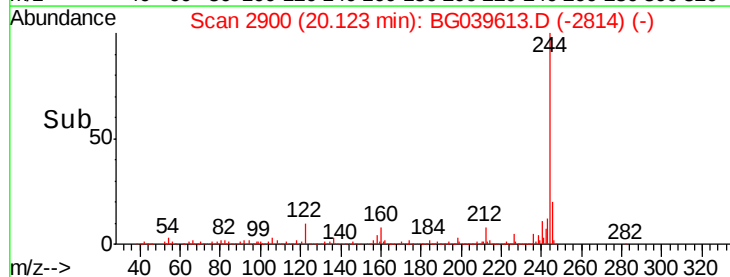
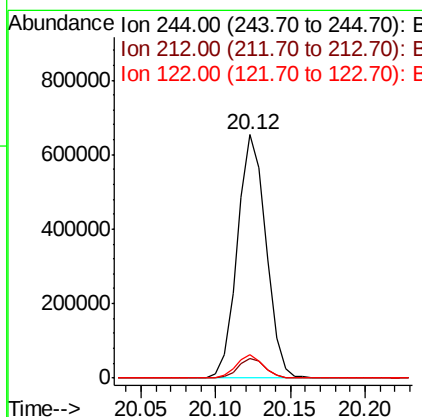
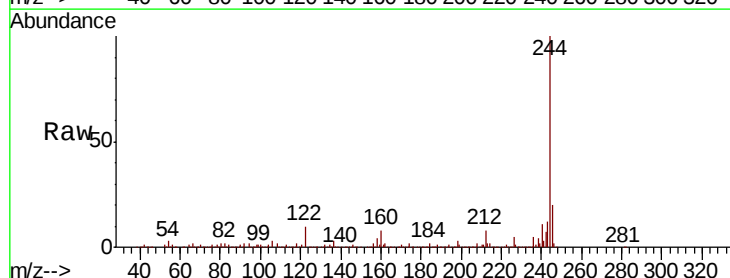
Instrument :
BNA_G
ClientSampleId :
B-3(8-9)

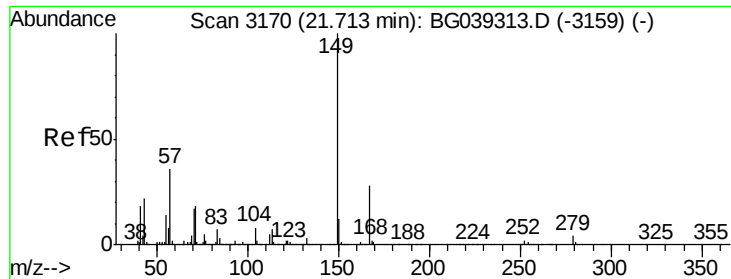
Tgt Ion:240 Resp: 413023
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.0 21.0 31.4



#79
Terphenyl-d14
Concen: 44.698 ng
RT: 20.12 min Scan# 2900
Delta R.T. -0.03 min
Lab File: BG039613.D
Acq: 26 Feb 2019 23:18

Tgt Ion:244 Resp: 872169
Ion Ratio Lower Upper
244 100
212 8.0 7.3 10.9
122 9.7 8.4 12.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.112 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

Instrument :

BNA_G

ClientSampleId :

B-3(8-9)

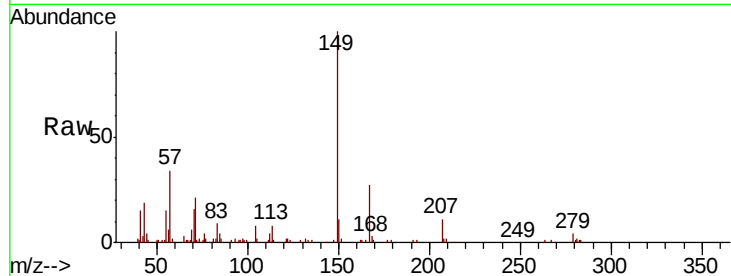
Tgt Ion:149 Resp: 48151

Ion Ratio Lower Upper

149 100

167 26.6 22.6 34.0

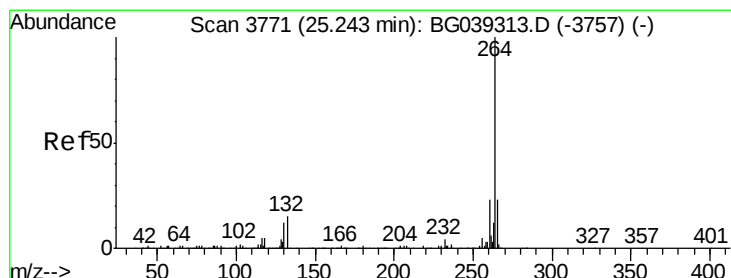
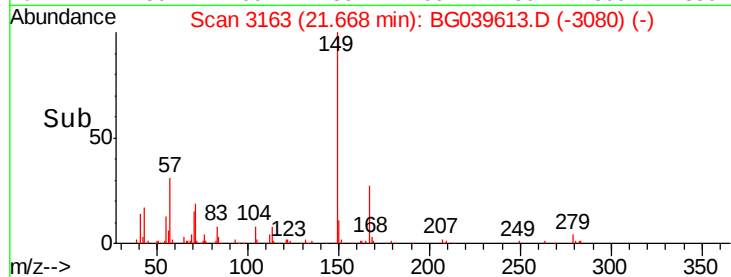
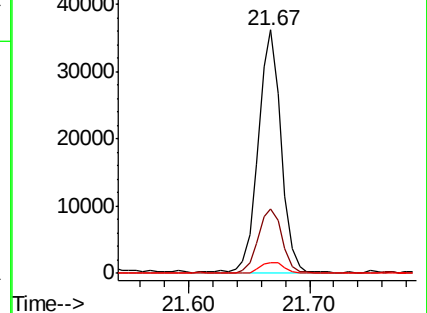
279 4.4 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3763

Delta R.T. -0.05 min

Lab File: BG039613.D

Acq: 26 Feb 2019 23:18

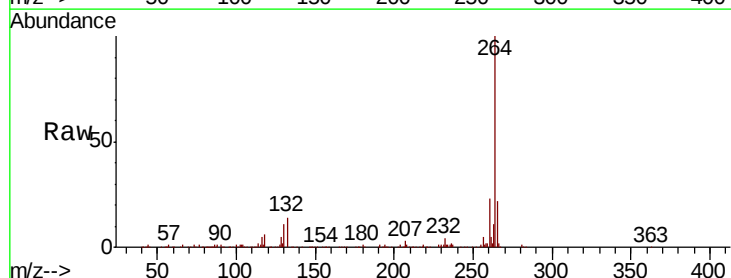
Tgt Ion:264 Resp: 422478

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.8 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

